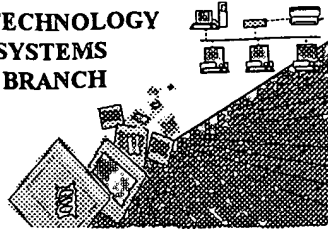


BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/069,236
Source: Pat/10
Date Processed by STIC: 7/29/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/069,236

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 _____ Wrapped Nucleics
_____ Wrapped Aminos
The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 _____ Invalid Line Length
The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 _____ Misaligned Amino
_____ Numbering
The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 _____ Non-ASCII
The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 _____ Variable Length
Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 _____ PatentIn 2.0
_____ "bug"
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 _____ Skipped Sequences
_____ (OLD RULES)
Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 _____ Skipped Sequences
_____ (NEW RULES)
Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 9 _____ Use of n's or Xaa's
_____ (NEW RULES)
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 _____ Invalid <213>
_____ Response
Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 _____ Use of <220>
Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 _____ PatentIn 2.0
_____ "bug"
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 _____ Misuse of n
n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



PCT10

RAW SEQUENCE LISTING

DATE: 07/29/2002

PATENT APPLICATION: US/10/069,236

TIME: 08:59:19

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\07292002\J069236.raw

3 <110> APPLICANT: kless, hadar
 5 <120> TITLE OF INVENTION: TEMPLATE-DEPENDENT NUCLEIC ACID POLYMERIZATION USING OLIGONUCLEOTIDE

6 TRIPHOSPHATES BUILDING BLOCKS
 8 <130> FILE REFERENCE: 23375

10 <140> CURRENT APPLICATION NUMBER: US/10/069,236
 10 <141> CURRENT FILING DATE: 2002-07-05

10 <160> NUMBER OF SEQ ID NOS: 100
 12 <170> SOFTWARE: PatentIn version 3.0

14 <210> SEQ ID NO: 1

15 <211> LENGTH: 2

16 <212> TYPE: DNA

17 <213> ORGANISM: synthetic oligonucleotide;

19 <400> SEQUENCE: 1

20 aa

23 <210> SEQ ID NO: 2

24 <211> LENGTH: 2

25 <212> TYPE: DNA

26 <213> ORGANISM: synthetic oligonucleotide;

28 <400> SEQUENCE: 2

29 ac

32 <210> SEQ ID NO: 3

33 <211> LENGTH: 2

34 <212> TYPE: DNA

35 <213> ORGANISM: synthetic oligonucleotide;

37 <400> SEQUENCE: 3

38 ag

41 <210> SEQ ID NO: 4

42 <211> LENGTH: 2

43 <212> TYPE: DNA

44 <213> ORGANISM: synthetic oligonucleotide;

46 <400> SEQUENCE: 4

47 at

50 <210> SEQ ID NO: 5

51 <211> LENGTH: 2

52 <212> TYPE: DNA

53 <213> ORGANISM: synthetic oligonucleotide;

55 <400> SEQUENCE: 5

56 ca

59 <210> SEQ ID NO: 6

60 <211> LENGTH: 2

61 <212> TYPE: DNA

62 <213> ORGANISM: synthetic oligonucleotide;

64 <400> SEQUENCE: 6

Does Not Comply
 Corrected Diskette Needed

pg 1-6

global error
 (see Item 10 on Error
 Summary Sheet)

2

2

2

2

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/069,236

DATE: 07/29/2002

TIME: 08:59:19

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\07292002\J069236.raw

65 cc	2
68 <210> SEQ ID NO: 7	
69 <211> LENGTH: 2	
70 <212> TYPE: DNA	
71 <213> ORGANISM: synthetic oligonucleotide;	
73 <400> SEQUENCE: 7	
74 cg	2
77 <210> SEQ ID NO: 8	
78 <211> LENGTH: 2	
79 <212> TYPE: DNA	
80 <213> ORGANISM: synthetic oligonucleotide;	
82 <400> SEQUENCE: 8	
83 ct	2
86 <210> SEQ ID NO: 9	
87 <211> LENGTH: 2	
88 <212> TYPE: DNA	
89 <213> ORGANISM: synthetic oligonucleotide;	
91 <400> SEQUENCE: 9	
92 ga	2
95 <210> SEQ ID NO: 10	
96 <211> LENGTH: 2	
97 <212> TYPE: DNA	
98 <213> ORGANISM: synthetic oligonucleotide;	
100 <400> SEQUENCE: 10	
101 gc	2
104 <210> SEQ ID NO: 11	
105 <211> LENGTH: 2	
106 <212> TYPE: DNA	
107 <213> ORGANISM: synthetic oligonucleotide;	
109 <400> SEQUENCE: 11	
110 gg	2
113 <210> SEQ ID NO: 12	
114 <211> LENGTH: 2	
115 <212> TYPE: DNA	
116 <213> ORGANISM: synthetic oligonucleotide;	
118 <400> SEQUENCE: 12	
119 gt	2
122 <210> SEQ ID NO: 13	
123 <211> LENGTH: 2	
124 <212> TYPE: DNA	
125 <213> ORGANISM: synthetic oligonucleotide;	
127 <400> SEQUENCE: 13	
128 ta	2
131 <210> SEQ ID NO: 14	
132 <211> LENGTH: 2	
133 <212> TYPE: DNA	
134 <213> ORGANISM: synthetic oligonucleotide;	
136 <400> SEQUENCE: 14	
137 tc	2

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/069,236

DATE: 07/29/2002

TIME: 08:59:19

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\07292002\J069236.raw

140 <210> SEQ ID NO: 15
141 <211> LENGTH: 2
142 <212> TYPE: DNA
143 <213> ORGANISM: synthetic oligonucleotide;
145 <400> SEQUENCE: 15
146 tg 2
149 <210> SEQ ID NO: 16
150 <211> LENGTH: 2
151 <212> TYPE: DNA
152 <213> ORGANISM: synthetic oligonucleotide;
154 <400> SEQUENCE: 16
155 tt 2
158 <210> SEQ ID NO: 17
159 <211> LENGTH: 3
160 <212> TYPE: DNA
161 <213> ORGANISM: synthetic oligonucleotide;
163 <400> SEQUENCE: 17
164 aaa 3
167 <210> SEQ ID NO: 18
168 <211> LENGTH: 3
169 <212> TYPE: DNA
170 <213> ORGANISM: synthetic oligonucleotide;
172 <400> SEQUENCE: 18
173 aac 3
176 <210> SEQ ID NO: 19
177 <211> LENGTH: 3
178 <212> TYPE: DNA
179 <213> ORGANISM: synthetic oligonucleotide;
181 <400> SEQUENCE: 19
182 aag 3
185 <210> SEQ ID NO: 20
186 <211> LENGTH: 3
187 <212> TYPE: DNA
188 <213> ORGANISM: synthetic oligonucleotide;
190 <400> SEQUENCE: 20
191 aat 3
194 <210> SEQ ID NO: 21
195 <211> LENGTH: 3
196 <212> TYPE: DNA
197 <213> ORGANISM: synthetic oligonucleotide;
199 <400> SEQUENCE: 21
200 aca 3
203 <210> SEQ ID NO: 22
204 <211> LENGTH: 3
205 <212> TYPE: DNA
206 <213> ORGANISM: synthetic oligonucleotide;
208 <400> SEQUENCE: 22
209 acc 3
212 <210> SEQ ID NO: 23

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/069,236

DATE: 07/29/2002

TIME: 08:59:19

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\07292002\J069236.raw

213 <211> LENGTH: 3
214 <212> TYPE: DNA
215 <213> ORGANISM: synthetic oligonucleotide;
217 <400> SEQUENCE: 23
218 acg 3
221 <210> SEQ ID NO: 24
222 <211> LENGTH: 3
223 <212> TYPE: DNA
224 <213> ORGANISM: synthetic oligonucleotide;
226 <400> SEQUENCE: 24
227 act 3
230 <210> SEQ ID NO: 25
231 <211> LENGTH: 3
232 <212> TYPE: DNA
233 <213> ORGANISM: synthetic oligonucleotide;
235 <400> SEQUENCE: 25
236 aga 3
239 <210> SEQ ID NO: 26
240 <211> LENGTH: 3
241 <212> TYPE: DNA
242 <213> ORGANISM: synthetic oligonucleotide;
244 <400> SEQUENCE: 26
245 agc 3
248 <210> SEQ ID NO: 27
249 <211> LENGTH: 3
250 <212> TYPE: DNA
251 <213> ORGANISM: synthetic oligonucleotide;
253 <400> SEQUENCE: 27
254 agg 3
257 <210> SEQ ID NO: 28
258 <211> LENGTH: 3
259 <212> TYPE: DNA
260 <213> ORGANISM: synthetic oligonucleotide;
262 <400> SEQUENCE: 28
263 agt 3
266 <210> SEQ ID NO: 29
267 <211> LENGTH: 3
268 <212> TYPE: DNA
269 <213> ORGANISM: synthetic oligonucleotide;
271 <400> SEQUENCE: 29
272 ata 3
275 <210> SEQ ID NO: 30
276 <211> LENGTH: 3
277 <212> TYPE: DNA
278 <213> ORGANISM: synthetic oligonucleotide;
280 <400> SEQUENCE: 30
281 atc 3
284 <210> SEQ ID NO: 31
285 <211> LENGTH: 3

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/069,236

DATE: 07/29/2002

TIME: 08:59:19

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\07292002\J069236.raw

286 <212> TYPE: DNA
287 <213> ORGANISM: synthetic oligonucleotide;
289 <400> SEQUENCE: 31
290 atg 3
293 <210> SEQ ID NO: 32
294 <211> LENGTH: 3
295 <212> TYPE: DNA
296 <213> ORGANISM: synthetic oligonucleotide;
298 <400> SEQUENCE: 32
299 att 3
302 <210> SEQ ID NO: 33
303 <211> LENGTH: 3
304 <212> TYPE: DNA
305 <213> ORGANISM: synthetic oligonucleotide;
307 <400> SEQUENCE: 33
308 caa 3
311 <210> SEQ ID NO: 34
312 <211> LENGTH: 3
313 <212> TYPE: DNA
314 <213> ORGANISM: synthetic oligonucleotide;
316 <400> SEQUENCE: 34
317 cac 3
320 <210> SEQ ID NO: 35
321 <211> LENGTH: 3
322 <212> TYPE: DNA
323 <213> ORGANISM: synthetic oligonucleotide;
325 <400> SEQUENCE: 35
326 cag 3
329 <210> SEQ ID NO: 36
330 <211> LENGTH: 3
331 <212> TYPE: DNA
332 <213> ORGANISM: synthetic oligonucleotide;
334 <400> SEQUENCE: 36
335 cat 3
338 <210> SEQ ID NO: 37
339 <211> LENGTH: 3
340 <212> TYPE: DNA
341 <213> ORGANISM: synthetic oligonucleotide;
343 <400> SEQUENCE: 37
344 cca 3
347 <210> SEQ ID NO: 38
348 <211> LENGTH: 3
349 <212> TYPE: DNA
350 <213> ORGANISM: synthetic oligonucleotide;
352 <400> SEQUENCE: 38
353 ccc 3
356 <210> SEQ ID NO: 39
357 <211> LENGTH: 3
358 <212> TYPE: DNA

↓
The types of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

(see p.6 for more errors)

<210> 51
 <211> 3<212> DNA
 ↖insert a hard return
 <213> : synthetic oligonucleotide;
 <400> 51
 gag

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/069,236

DATE: 07/29/2002

TIME: 08:59:20

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\07292002\J069236.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:468 M:282 W: Numeric Field Identifier Missing, <212> is required.

part 30